UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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FLEIT, KAIN, GIBBONS, GUTMAN, BONGINI & BIANCO PL
551 NW 77TH STREET,
SUITE 111
BOCA RATON, FL 33487

EXAMINER
MANOHARAN, MUTHUSWAMY GANAPATHY

ART UNIT	PAPER NUMBER
2683	

DATE MAILED: 02/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/690,691	CHEN ET AL.
	Examiner	Art Unit	
	Muthuswamy G. Manoharan	2683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>23 November 2005</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>2-5,8-11 and 32</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>2-5,8-11 and 32</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

Response to Arguments

Applicant's arguments with respect to claims 2-5,8-11 have been

considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for

all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described
> as set forth in section 102 of this title, if the differences between the subject matter sought to
> be patented and the prior art are such that the subject matter as a whole would have been
> obvious at the time the invention was made to a person having ordinary skill in the art to which
> said subject matter pertains. Patentability shall not be negatived by the manner in which the
> invention was made.

Claims 2, 5,9-11 and 32 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Hines et al. (hereinafter Hines) (US 2004/0192337) in view

of Diacakis (US 20040185875).

Regarding claim 1, Hines teaches a location service information providing

system (Figure 1 and Figure 6) including at least one requester (item 402 in

Figure 1) and at least one requestee (item 412 in Figure 4), the system providing

subscribed information for one of said at least one requester, in response to a

subscription service request sent from one of said at least one requester,

subscribed information based on the location of one of said at least on requestee

(Paragraph [0051], lines 1-3) said system comprising:

a location service providing device for generating a task in response to

the subscription service request, sent from said one of said at least one

requester (Paragraph [0051], lines 1-3), the task based on the location of said

one of said at least one requestee (Paragraph [0053], line 2-4) said one of said at

least one requestee receiving the task from said location service providing device

(Paragraph [0052]; step 2 in Figure 6), executing the task (Paragraph [0053], line

3), generating the subscribed information responding to the subscription service

request, and sending the generated subscribed information to said one of said at

least one requester (Paragraph [0053], line 3-4); wherein the location service

information providing device includes:

subscription service request receiving means (item 404 in Figure 4), for

receiving the subscription service request from said one of said at least one

requester (step 1 in Figure 4; Paragraph [0051], lines 1-3),

geographical information storage means (item 105 in Figure 1; Paragraph

[0006], lines 3-6), for storing the spacial geographical location information within

the range where said at least one requestee can be located;

task application generation module storage means (items 160 and 100 in

Figure 1), for storing one or more task application generation modules for

generating task applications;

geographical information extracting means, for extracting the spacial

geographical information relating to the geographical information specified from

the subscription service request, from said geographical information storage

means (item 105 and 170 in Figure 1),

and a task generator (item 406 in Figure 6), for generating one or more

tasks, according to one or more triggers included in the subscription service

request (Paragraph [0007], lines 1-8)

by utilizing the task application generation modules and the spacial

geographical location information extracted by said geographical information

extracting means, (step 2 in Figure 6; Paragraph [0052], line 1-4).

Hines did not teach specifically wherein each trigger of the plurality of

triggers has a priority with respect to one another, the priorities being included in

the subscription service request, and wherein said task generator further

generates a controlling program for controlling the sequence of running the tasks

based on the priorities, and transmits said controlling program to said one of said

altleast one requestee. However, Diacakis teaches in an analogous art, wherein

each trigger of the plurality of triggers has a priority with respect to one another,

the priorities being included in the subscription service request, and wherein said

task generator further generates a controlling program for controlling the

sequence of running the tasks based on the priorities, and transmits said

controlling program to said one of said altleast one requestee (Paragraph [0039],

lines 1-28). Therefore, it would be obvious to one of ordinary skill in the art at the

time of invention to wherein each trigger of the plurality of triggers has a priority

with respect to one another, the priorities being included in the subscription

service request, and wherein said task generator further generates a controlling

program for controlling the sequence of running the tasks based on the priorities,

and transmits said controlling program to said one of said altleast one requestee.

This modification helps in organizing time critical task applications.

Regarding claim 5, Hines teaches the location service providing system

according to claim 2, wherein the one or more triggers (Figure 5) being spacial

and/or temporal related conditions (Paragraph [0033], lines 10-12, Paragraph

[0032], line 1) relating to the specified geographical location.

Regarding claim 8, Hines teaches the location service information

providing system according to claim 3, wherein said self-positioning means a

GPS system (Paragraph [0037], lines 6-8).

Regarding claim 9, Hines teaches a location service information providing

device (item 404 in Figure 6), for generating a task based on a location of a

requestee (item 130 in Figure 1) for a requester, in response to the subscription

service request based on the location of the requestee sent from the requester,

said location service information providing device comprising: subscription

service request receiving means (step 1 in Figure 4), for receiving the

subscription service request from said requester (item 420 in Figure 4),

geographical information storage means (item 105 in Figure 1), for storing the

spatial geographical location information within the range where said requestee

is that can be located, task application generation module storage means, for

storing one or more task application generation modules for generating task

applications geographical information extracting means ("MAP DATA" in Figure

1), for extracting the spatial geographical information relating to the geographical

information specified from the subscription service request, from said

geographical information storage means; task generator (item 160 in Figure 1),

for generating one or more task applications for generating the subscribed

information relative to the geographical location information, according to one or

more triggers included in the subscription service request and for triggering

generating a task based on the generated task application(s) and the

geographical information extracted by said geographical information extracting

means(step 2 in Figure 4 and Figure 6), wherein each trigger of the plurality of

triggers has a priority with respect to one another, the priorities being included in

the subscription service request, and wherein said task generator further

generates a controlling program for controlling the sequence of running the tasks

based on the priorities, and transmits said controlling program to said one of said

altleast one requestee. However, Diacakis teaches in an analogous art, wherein

each trigger of the plurality of triggers has a priority with respect to one another,

the priorities being included in the subscription service request, and wherein said

task generator further generates a controlling program for controlling the

sequence of running the tasks based on the priorities, and transmits said

controlling program to said one of said altleast one requestee. Therefore, it would

be obvious to one of ordinary skill in the art at the time of invention to wherein

each trigger of the plurality of triggers has a priority with respect to one another,

the priorities being included in the subscription service request, and wherein said

task generator further generates a controlling program for controlling the

sequence of running the tasks based on the priorities, and transmits said

controlling program to said one of said altleast one requestee. This modification

helps in organizing time critical task applications.

Regarding claim 10, Hines teaches the location service information

providing device according to claim 9, wherein said location service information

providing device further comprises subscribed information transmitting means for

transmitting the subscribed information received from said requestee to said

requester (Paragraph [0054], lines 2-3).

Regarding claim 11, Hines teaches the location service information

providing device according to claim 9 wherein the one or more triggers ("UE

software monitors Areas to send trigger" and step 3 in Figure 6) are spatial

and/or temporal (Paragraph [0033], lines 10-12; Paragraph [0032], line 1) related

conditions relating to the specified geographical location.

Claim 32 is rejected for the same reasons as set forth in claim 2.

Claim 3, and 4 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Hines in view of Rankin et al. (hereinafter Rankine) (US

2002/0155844).

Regarding claim 3 Hines teaches all the particulars of the claim2.

Regarding claim 3, further teaches the location service information providing

system according to claim 2, said one of said at least one requestee (item 412 in

Figure 6) comprising: task receiving means (step 2 in Figure 6), for receiving the

task from said location service information providing device; task application

storage means, for storing the task application(s) included in the task (Paragraph

[0053], line 1); task executing engine (Paragraph [0053], lines 1-5), for

controlling, in response to the received task by said task receiving means, the

running of the task application(s) stored in said task application storage means to

generate the subscribed information; self-positioning means (Paragraph [0037],

lines 6-8), for providing the current geographical location information of said one

of said at least one requestee for the task application(s); subscribed information

transmitting means(Paragraph [0056], lines 1-5), for sending the subscribed information generated by the task application(s) to said one of said at least one requester. Hines fails to teach geographical information storage means, for storing the spatial geographical information included in the task. However, Rankin teaches in an analogous art, geographical information storage means, for storing the spatial geographical information included in the task (Paragraph [0011], line 1-8). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to have geographical information storage means, for storing the spatial geographical information included in the task. This modification helps in reducing the network traffic and latency.

Regarding claim 4, Hines in view of Rankin teaches all the particulars of claim 3. Hines further teaches the location service information providing system according to claim 3, said location service information providing device further comprising subscribed information transmitting means for transmitting the subscribed information received from said one of said at least one requestee to said one of said at least one requester (Paragraph [0054], lines 2-3).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Silip et. al. (6519465) teaches higher priority location triggers (Col. 28, lines 43-47)

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Muthuswamy G. Manoharan whose telephone number is 571-272-5515. The examiner can normally be reached on 7:30AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600